

# INTERNATIONAL SEARCH REPORT

International Application No  
'GB2004/003454

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01N27/49

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/81911 A (MILLAR ANDREW PETER ; CHAPPLES JOHN (GB); CITY TECH (GB); DOWNER ANTHO) 1 November 2001 (2001-11-01) page 9, line 10 - page 13, line 23	13-19
A	GB 2 073 891 A (RADIOMETER AS) 21 October 1981 (1981-10-21) figures 2,12,13	13-19
A	WO 02/088694 A (JONES MARTIN GEOFFREY ; CITY TECH (GB); COLLINS GRAHAM (GB)) 7 November 2002 (2002-11-07) cited in the application page 9, line 1 - line 17	1-19

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*8\* document member of the same patent family

Date of the actual completion of the international search

20 October 2004

Date of mailing of the international search report

05/11/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel: (+31-70) 340-2040, Tx: 31 651 epo.nl,  
Fax: (+31-70) 340-3016

Authorized officer

Purdie, D

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/003454

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1-12, 20, 21  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 1-12, 20, 21

The object of claim 1 is defined by relating features of the combination of current collector and seal to a further product, an electrochemical sensor, which is not part of the claim. The resulting lack of clarity means that it is not possible to perform a complete search of the prior art relevant to the scope of claim 1. Thus, of the apparatus claims, only those which define an electrochemical gas sensor comprising a current collector and a seal have been searched.

Claims 20 and 20 each define a method of manufacturing a current collector and seal combination. As the object whose manufacture they describe is unclear and not searchable, so it is not possible to perform a complete search of the methods to manufacture the object.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

# INTERNATIONAL SEARCH REPORT

International Application No  
/GB2004/003454

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0181911	A	01-11-2001	AU	5052601 A		07-11-2001
			CA	2407483 A1		01-11-2001
			EP	1277049 A1		22-01-2003
			WO	0181911 A1		01-11-2001
			US	2003168336 A1		11-09-2003
GB 2073891	A	21-10-1981	CH	654663 A5		28-02-1986
			DE	3114441 A1		04-03-1982
			DK	165081 A		12-10-1981
WO 02088694	A	07-11-2002	WO	02088694 A2		07-11-2002

## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

SKONE JAMES, R., E.  
Gill Jennings & Every  
Broadgate House  
7 Eldon Street  
London EC2M 7LH  
United Kingdom

Date of mailing (day/month/year) 03 June 2005 (03.06.2005)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference RSJ07869WO	
International application No. PCT/GB2004/003454	International filing date (day/month/year) 12 August 2004 (12.08.2004)

## 1. The following indications appeared on record concerning:

☒ the applicant      ☐ the inventor      ☐ the agent      ☐ the common representative

## Name and Address

ANGLO EUROPEAN DESIGN ENGINEERS  
LIMITED  
2a Bridge Street  
Wickham  
Fareham  
Hampshire PO17 5JF  
United Kingdom

## State of Nationality

GB

## State of Residence

GB

Telephone No.

Facsimile No.

Teleprinter No.

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person      ☒ the name      ☒ the address      ☐ the nationality      ☐ the residence

## Name and Address

CITY TECHNOLOGY LIMITED  
City Technology Centre  
Walton Road  
Portsmouth PO6 1SZ  
United Kingdom

## State of Nationality

GB

## State of Residence

GB

Telephone No.

Facsimile No.

Teleprinter No.

## 3. Further observations, if necessary:

## 4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input checked="" type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. (41-22) 338.89.65	Authorized officer  Abderrezak SMAHI  Telephone No. (41-22) 338 8021
--	--